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ATTENT & TRADEMARKS  
ACVENT TECHNOLOGIES  
Legal Department, DL429  
Intellectual Property Administration  
O. Box 7599  
Boulder, Colorado 80537-0599

1637  
PATENT APPLICATION

ATTORNEY DOCKET NO. 10010819-1

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Sana

Serial No.: 10/001,688

Examiner: Joyce Tung

Filing Date: 10/22/2001

Group Art Unit: 1637

Title: Composition and Methods for Optimized Hybridization Using Modified Solutions

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COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

MAR 06 2003

TECH CENTER 1600/2900

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

(X) Response/Amendment ( ) Petition to extend time to respond  
( ) New fee as calculated below ( ) Supplemental Declaration  
( ) No additional fee (Address envelope to "Box Non-Fee Amendments")  
(X) Other: Return receipt postcard (fee \$ \_\_\_\_\_)

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	17	MINUS	20	= 0	X \$18	\$ 0
INDEP. CLAIMS	5	MINUS	5	= 0	X \$84	\$ 0
[ ] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$280	\$ 0
EXTENSION FEE	1ST MONTH \$110.00	2ND MONTH \$410.00	3RD MONTH \$930.00	4TH MONTH \$1450.00		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 50-1078. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 50-1078 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 50-1078 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21.

Respectfully submitted,

Sana

By

Bret Field for Timothy Joyce

Attorney/Agent for Applicant(s)

Reg. No. 37,620

Date: 02-25-2003

Date of Deposit: 02-25-2003

Typed Name: Donna Macedo

Signature: 

Telephone No.: (650) 485-4310

- Attach as First Page to Transmitted Papers -

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

Typed or Printed Name	Dawn M. Tung	
Signature	Dawn M. Tung	Date 2/25/02

<b>AMENDMENT UNDER 37 C.F.R. §1.111</b>	Attorney Docket Confirmation No.	10010819-1 3172
Address to: Assistant Commissioner for Patents Washington, D.C. 20231	First Named Inventor	Sana
	Application Number	10/001,688
	Filing Date	October 25, 2001
	Group Art Unit	1637
	Examiner Name	Joyce Tung
	Title	Composition and Methods for Optimized Hybridization Using Modified Solutions

Dear Sir:

This amendment is responsive to the Office Action dated December 19, 2002 for which a three-month period for response was given making this response due on or before March 19, 2002. Accordingly, this response is timely filed.

In view of the remarks put forth below, reconsideration and allowance are respectfully requested.

**I. AMENDMENTS**

**IN THE CLAIMS**

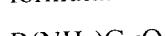
↓

Please cancel claims 13 and 14.

Please amend claims 6-8 and 15-17 and add new claims 18 and 19, as shown below.

6. **(Amended)** A method that allows a probe and target to hybridize at a temperature lower than their standard hybridization temperature, comprising:

(a) heating the probe and target in the presence of a chemical component of the formula:



where R is an amino or a methyl group; and

(b) allowing the probe and target to hybridize,

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